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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=1; day=30; hr=13; min=17; sec=42; ms=221; ]

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\*\*\*\*\*

Reviewer Comments:

<150> JP 2004-122898

<151> 2004-04-19

<160> 75

The number provided for numeric identifier <160> must match the total number of sequences in the file. There were 75 sequences counted in this sequence listing. Numeric identifier <160> states there are a total of 74 sequences. Please make all necessary changes.

\*\*\*\*\*

Application No: 10587431 Version No: 2.0

Input Set:

Output Set:

**Started:** 2009-01-14 21:17:26.254  
**Finished:** 2009-01-14 21:17:36.647  
**Elapsed:** 0 hr(s) 0 min(s) 10 sec(s) 393 ms  
**Total Warnings:** 66  
**Total Errors:** 29  
**No. of SeqIDs Defined:** 75  
**Actual SeqID Count:** 74

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)
W 213	Artificial or Unknown found in <213> in SEQ ID (22)
W 213	Artificial or Unknown found in <213> in SEQ ID (23)
W 213	Artificial or Unknown found in <213> in SEQ ID (24)
W 213	Artificial or Unknown found in <213> in SEQ ID (25)
W 213	Artificial or Unknown found in <213> in SEQ ID (26)
W 213	Artificial or Unknown found in <213> in SEQ ID (27)
W 213	Artificial or Unknown found in <213> in SEQ ID (28)

Input Set:

Output Set :

```

Started:      2009-01-14 21:17:26.254
Finished:    2009-01-14 21:17:36.647
Elapsed:     0 hr(s) 0 min(s) 10 sec(s) 393 ms
Total Warnings: 66
Total Errors:  29
No. of SeqIDs Defined: 75
Actual SeqID Count: 74

```

Error code	Error Description
	This error has occurred more than 20 times, will not be displayed
E 257	Invalid sequence data feature in <221> in SEQ ID (60)
E 257	Invalid sequence data feature in <221> in SEQ ID (60)
E 257	Invalid sequence data feature in <221> in SEQ ID (60)
E 257	Invalid sequence data feature in <221> in SEQ ID (60)
E 257	Invalid sequence data feature in <221> in SEQ ID (60)
E 257	Invalid sequence data feature in <221> in SEQ ID (60)
E 257	Invalid sequence data feature in <221> in SEQ ID (60)
E 257	Invalid sequence data feature in <221> in SEQ ID (60)
E 257	Invalid sequence data feature in <221> in SEQ ID (60)
E 257	Invalid sequence data feature in <221> in SEQ ID (60)
E 257	Invalid sequence data feature in <221> in SEQ ID (60)
E 257	Invalid sequence data feature in <221> in SEQ ID (60)
E 257	Invalid sequence data feature in <221> in SEQ ID (60)
E 257	Invalid sequence data feature in <221> in SEQ ID (60)
E 257	Invalid sequence data feature in <221> in SEQ ID (60)
E 257	Invalid sequence data feature in <221> in SEQ ID (60)
E 257	Invalid sequence data feature in <221> in SEQ ID (60)
E 257	Invalid sequence data feature in <221> in SEQ ID (60)
E 257	Invalid sequence data feature in <221> in SEQ ID (60) This error has occurred more than 20 times, will not be displayed
E 252	Calc# of Seq. differs from actual; 75 seqIds defined; count=74



# SEQUENCE LISTING

<110> KAI, HIKARU  
 TSUBAKI, MASAYUKI  
 KUROKAWA, MASATO

<120> METHOD OF PRODUCING VIRUS

<130> 09864/0207778-US0

<140> 10587431

<141> 2009-01-14

<150> PCT/JP2005/007459

<151> 2005-04-19

<150> JP 2004-122898

<151> 2004-04-19

<160> 75

<170> PatentIn version 3.5

<210> 1

<211> 4

<212> PRT

<213> Homo sapiens

<400> 1

Arg Glu Asp Val

1

<210> 2

<211> 5

<212> PRT

<213> Homo sapiens

<400> 2

Tyr Ile Gly Ser Arg

1 5

<210> 3

<211> 5

<212> PRT

<213> Homo sapiens

<400> 3

Pro Asp Ser Gly Arg

1 5

<210> 4

<211> 7

<212> PRT

<213> Homo sapiens

<400> 4

Arg Tyr Val Val Leu Pro Arg  
1 5

<210> 5

<211> 6

<212> PRT

<213> Homo sapiens

<400> 5

Leu Gly Thr Ile Pro Gly  
1 5

<210> 6

<211> 10

<212> PRT

<213> Homo sapiens

<400> 6

Arg Asn Ile Ala Glu Ile Ile Lys Asp Ile  
1 5 10

<210> 7

<211> 5

<212> PRT

<213> Homo sapiens

<400> 7

Ile Lys Val Ala Val  
1 5

<210> 8

<211> 4

<212> PRT

<213> Homo sapiens

<400> 8

Asp Gly Glu Ala  
1

<210> 9

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

<400> 9

Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala  
1 5 10

<210> 10

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

<400> 10

Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala  
1 5 10 15

Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala  
20 25 30

Gly Ala Gly Ala Gly Ala Gly Ala  
35 40

<210> 11

<211> 160

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

<400> 11

Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala  
1 5 10 15

Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala  
20 25 30

Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala  
35 40 45

Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala  
50 55 60

Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala  
65 70 75 80

Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala

85

90

95

Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala  
100 105 110

Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala  
115 120 125

Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala  
130 135 140

Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala  
145 150 155 160

&lt;210&gt; 12

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

&lt;400&gt; 12

Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser  
1 5 10

&lt;210&gt; 13

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

&lt;400&gt; 13

Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala  
1 5 10 15

Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala  
20 25 30

Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser  
35 40 45

Gly Ala Gly Ala Gly Ser  
50



<210> 14  
<211> 180  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

<400> 14  
Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala  
1 5 10 15

Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala  
20 25 30

Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser  
35 40 45

Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala  
50 55 60

Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala  
65 70 75 80

Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser  
85 90 95

Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala  
100 105 110

Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala  
115 120 125

Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser  
130 135 140

Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala  
145 150 155 160

Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala  
165 170 175

Gly Ala Gly Ser

&lt;210&gt; 15

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

&lt;400&gt; 15

Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr  
1 5 10

&lt;210&gt; 16

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

&lt;400&gt; 16

Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala  
1 5 10 15Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala  
20 25 30Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr  
35 40 45Gly Ala Gly Ala Gly Tyr  
50

&lt;210&gt; 17

&lt;211&gt; 180

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

&lt;400&gt; 17

Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala  
1 5 10 15

Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala  
20 25 30

Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr  
35 40 45

Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala  
50 55 60

Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala  
65 70 75 80

Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr  
85 90 95

Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala  
100 105 110

Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala  
115 120 125

Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr  
130 135 140

Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala  
145 150 155 160

Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala  
165 170 175

Gly Ala Gly Tyr  
180

<210> 18

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

<400> 18

Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr  
1 5 10

<210> 19  
<211> 54  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

<400> 19  
Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val  
1 5 10 15

Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala  
20 25 30

Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr  
35 40 45

Gly Ala Gly Val Gly Tyr  
50

<210> 20  
<211> 180  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

<400> 20  
Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val  
1 5 10 15

Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala  
20 25 30

Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr  
35 40 45

Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val  
50 55 60

Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala  
65 70 75 80

Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr  
85 90 95

Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val  
100 105 110

Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala  
115 120 125

Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr  
130 135 140

Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val  
145 150 155 160

Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala  
165 170 175

Gly Val Gly Tyr  
180

<210> 21

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

<400> 21

Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val  
1 5 10

<210> 22

<211> 54

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

<400> 22

Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr  
1 5 10 15

Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala

20

25

30

Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val  
 35 40 45

Gly Ala Gly Tyr Gly Val  
 50

&lt;210&gt; 23

&lt;211&gt; 180

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
 auxiliary amino acid sequence

&lt;400&gt; 23

Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr  
 1 5 10 15

Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala  
 20 25 30

Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val  
 35 40 45

Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr  
 50 55 60

Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala  
 65 70 75 80

Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val  
 85 90 95

Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr  
 100 105 110

Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala  
 115 120 125

Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val  
 130 135 140

Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr  
145 150 155 160

Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala  
165 170 175

Gly Tyr Gly Val  
180

<210> 24

<211> 48

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

<400> 24

Asp Gly Gly Ala Ala Ala Ala Ala Ala Gly Gly Ala Asp Gly Gly Ala  
1 5 10 15

Ala Ala Ala Ala Ala Gly Gly Ala Asp Gly Gly Ala Ala Ala Ala Ala  
20 25 30

Ala Gly Gly Ala Asp Gly Gly Ala Ala Ala Ala Ala Ala Gly Gly Ala  
35 40 45

<210> 25

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

<400> 25

Asp Gly Gly Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Gly  
1 5 10 15

Gly Ala

<210> 26

<211> 72

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

<400> 26

Asp Gly Gly Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Gly  
1 5 10 15

Gly Ala Asp Gly Gly Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala  
20 25 30

Ala Gly Gly Ala Asp Gly Gly Ala Ala Ala Ala Ala Ala Ala Ala  
35 40 45

Ala Ala Ala Gly Gly Ala Asp Gly Gly Ala Ala Ala Ala Ala Ala  
50 55 60

Ala Ala Ala Ala Ala Gly Gly Ala  
65 70

<210> 27

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

<400> 27

Gly Val Pro Gly Val Gly Val Pro Gly Val  
1 5 10

<210> 28

<211> 50

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

<400> 28

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1 5 10 15

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
20 25 30



Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
35 40 45

Gly Val  
50

<210> 29

<211> 200

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
auxiliary amino acid sequence

<400> 29

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1 5 10 15

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
20 25 30

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
35 40 45

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
50 55 60

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
65 70 75 80

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
85 90 95

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
100 105 110

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly V